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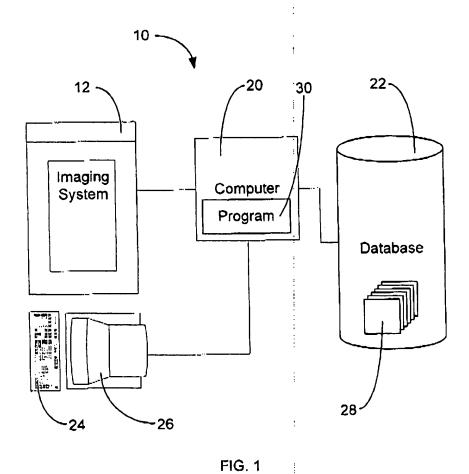
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22

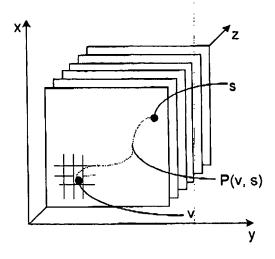


FIG. 2

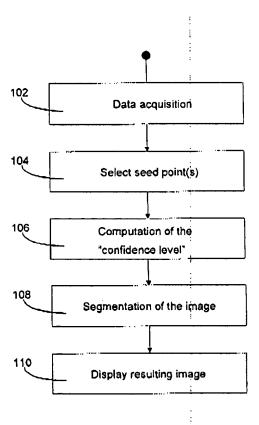
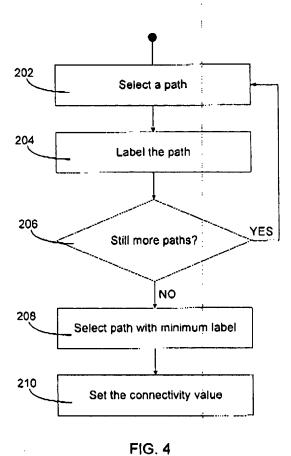
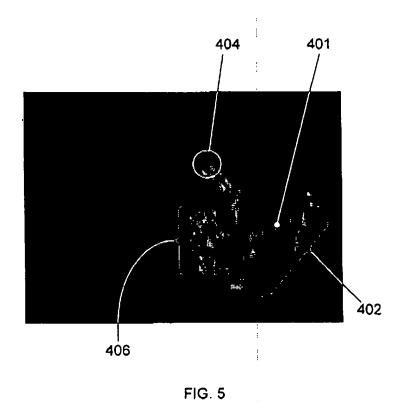


FIG. 3



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401 404 402

FIG. 6

406

404 401 402

FIG. 7

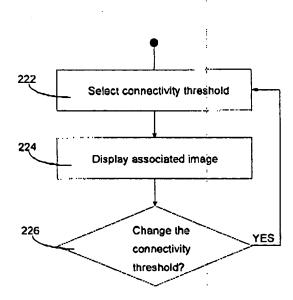
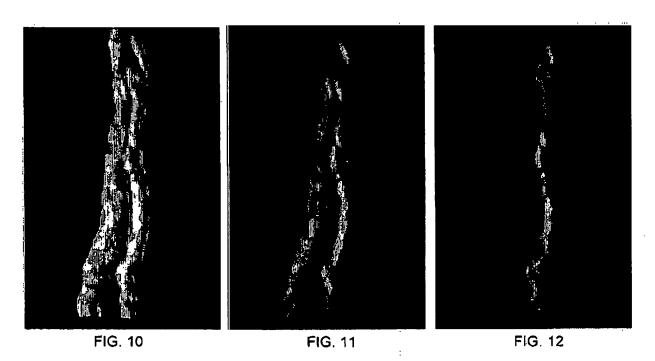


FIG. 8

 $\begin{array}{c} c \\ t_{3} \\ t_{2} \\ \end{array}$   $\begin{array}{c} s(x_{1},y_{1},z_{1},c_{1}) \\ \\ s(x_{2},y_{2},z_{2},c_{2}) \\ \\ \end{array}$   $\begin{array}{c} s(x_{1},y_{1},z_{1},c_{1}) \\ \\ \\ \end{array}$   $\begin{array}{c} s(x_{2},y_{2},z_{2},c_{2}) \\ \\ \\ \end{array}$   $\begin{array}{c} s(x_{1},y_{1},z_{1},c_{1}) \\ \\ \end{array}$ 



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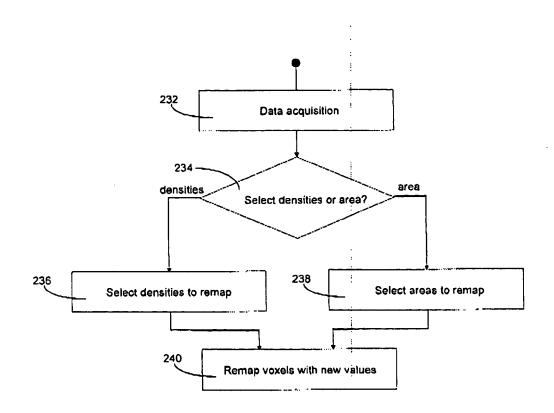


FIG. 13

Data acquisition

254

YES

Use seed point?

NO

258

Set density lower bound

260

Set density interval

262

Set density upper bound

FIG. 14

number of voxels

connectivity value threshold

volume of structure segmented

connectivity values

FIG. 15

272
Data acquisition

274
Set expected volume

276
Set threshold

278
Computation of the connectivity values

280
Computation of the volume

282
Change the connectivity threshold?

FIG. 16

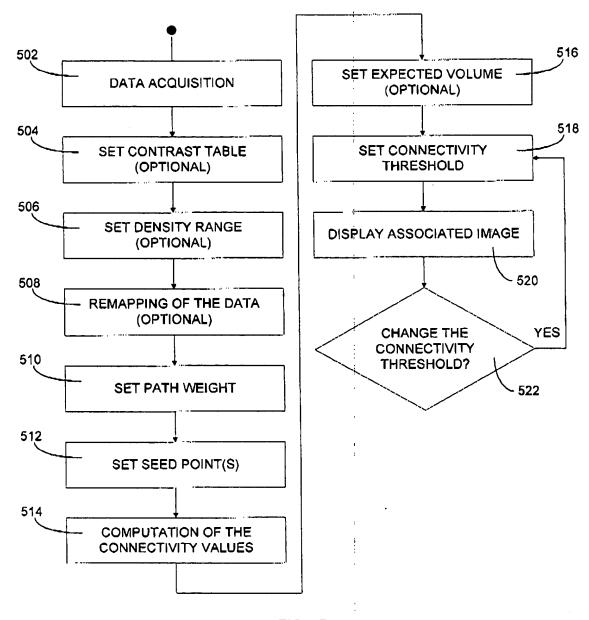


FIG. 17